



Arizona Sunset

by Kevin Grizard

Gemology Online Faceting Design Competition 2014

Cutthroat Entry 3

Angles for R.I. = 1.760

145 + 16 girdles = 161 facets

16-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.615 U/W = 0.615

P/W = 0.509 C/W = 0.134

Vol./W³ = 0.240

PAVILION

P1	45.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut to centerpoint.
G1	90.00°	02-22-26-46-50-70-74-94	Set stone size.
G2	90.00°	07-17-31-41-55-65-79-89	Meet P1, G1
P2	60.70°	07-17-31-41-55-65-79-89	Level girdle.
P3	61.49°	02-22-26-46-50-70-74-94	Level girdle.
P4	43.00°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Cut P4(96) to meet P1, P3

CROWN

C1	50.91°	02-22-26-46-50-70-74-94	Set girdle width.
C2	50.00°	07-17-31-41-55-65-79-89	Level girdle.
C3	34.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut C3(09) to meet G2, C2; cut C3(03) to meet C1, C2, C3
C4	32.00°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Cut C4(03) to meet C1, C3
C5	28.00°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet C1, C3, C4; C3, C4
C6	26.00°	96-06-12-18-24-30-36-42-48-54-60-66-72-78-84-90	Meet C4, C5
C7	20.36°	03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93	Meet C4, C5, C6
T	0.00°	Table	Meet C6, C7

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